

	Document ID	Source	Issue Date	Pages	Title	Current OR	Current XRef
1	US ✓ 5052763 A	US PAT	1991 1001	13	Optical system with two subsystems separately correcting odd aberrations and together correcting even aberrations	359/355	359/364 ; 359/633
2	US ✓ 5592329 A	US PAT	1997 0107	18	Catadioptric optical system	359/399	359/365 ; 359/366 ; 359/447 ; 359/727 ; 359/858
3	US ✓ 5220454 A	US PAT	1993 0615	15	Cata-dioptric reduction projection optical system	359/487	359/496 ; 359/727 ; 359/732
4	US ✓ 5608905 A	US PAT	1998 0915	25	Exposure apparatus having catadioptric projection optical system	359/651	355/53 ; 359/631
5	US ✓ 5689377 A	US PAT	1997 1118	28	Catadioptric optical system and exposure apparatus having the same	359/727	359/732 ; 359/733
6	US ✓ 5537260 A	US PAT	1996 0716	19	Catadioptric optical reduction system with high numerical aperture	359/717	359/631
7	US ✓ 5241423 A	US PAT	1993 0831	22	High resolution reduction catadioptric relay lens	359/717	359/720 ; 359/726
8	US ✓ 5089913 A	US PAT	1992 0218	26	High resolution reduction catadioptric relay lens	359/727	

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9	US ✓ 5668673 A	<input checked="" type="checkbox"/> PAT	1997 0916	47	Catadioptric reduction projection optical system	359/731	359/364 ; 359/366 ; 359/727
10	US ✓ 5365051 A	<input type="checkbox"/> PAT	1994 1115	14	Projection exposure apparatus	250/201 .2	250/548
11	US ✓ 5591958 A	<input type="checkbox"/> PAT	1997 0107	27	Scanning exposure method and apparatus	250/205	250/201 .1; 355/71; 356/400
12	US ✓ 5666273 A	<input type="checkbox"/> PAT	1987 0519	29	Automatic magnification correcting system in a projection optical apparatus	353/101	353/102 ; 355/55
13	US ✓ 5691802 A	<input type="checkbox"/> PAT	1997 1125	38	Catadioptric optical system and exposure apparatus having the same	355/53	355/43; 355/60; 355/77; 359/366 ; 359/727 ; 359/730
14	US ✓ 5534970 A	<input type="checkbox"/> PAT	1996 0709	22	Scanning exposure apparatus	355/53	353/102 ; 355/67; 355/71; 359/589 ; 359/622
15	US ✓ 5194893 A	<input type="checkbox"/> PAT	1993 0316	13	Exposure method and projection exposure apparatus	355/53	355/53
16	US ✓ 5333035 A	<input type="checkbox"/> PAT	1994 0726	17	Exposing method	355/77	355/53

	Document ID	Source	Issue Date	Pages	Title	Current OR	Current XRef
17	US ✓ 5506684 A	<input type="checkbox"/> PAT	1996 0409	36	Projection scanning exposure apparatus with synchronous mask/wafer alignment system	356/401	250/548 ; 355/53; 356/609
18	US ✓ 4974919 A	<input type="checkbox"/> PAT	1990 1204	27	Illuminating device	359/204	353/122 ; 354/236 ; 359/616 ; 363/268 ; 359/234 ; 359/203 ; 359/286 ; 359/385 ; 359/368 ; 359/364 ; 359/618 ; 359/744
19	US ✓ 5414651 A	<input type="checkbox"/> PAT	1995 0509	37	Afocal optical system and multibeam recording apparatus comprising the same	359/205	359/385 ; 359/368 ; 359/364 ; 359/618 ; 359/744
20	US ✓ 4770477 A	<input type="checkbox"/> PAT	1988 0913	5	Lens usable in the ultraviolet	359/355	359/754 ; 359/763
21	US ✓ 5594241 A	<input type="checkbox"/> PAT	1997 1202	18	Catadioptric reduction projection optical system and exposure apparatus employing the same	359/364	359/727
22	US ✓ 5323263 A	<input type="checkbox"/> PAT	1994 0621	9	Off-axis catadioptric projection system	359/366	359/364 ; 359/365
23	US ✓ 4612028 A	<input type="checkbox"/> PAT	1989 0314	19	Reflection type reduction projection optical system	359/366	359/731

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24	US ✓ 4701035 A	<input type="checkbox"/> U S P A T	1987 1020	21	Reflection optical system	359/366	
25	US ✓ 4695777 A	<input type="checkbox"/> U S P A T	1987 0811	8	Reflection and refraction optical system	359/366	359/731
26	US ✓ 5212593 A	<input type="checkbox"/> U S P A T	1993 0518	5	Broad band optical reduction system using matched multiple refractive element materials	359/487	359/495 ; 359/727 ; 359/728 ; 359/732
27	US ✓ 5253110 A	<input type="checkbox"/> U S P A T	1993 1012	16	Illumination optical arrangement	359/619	359/53; 359/370 ; 359/371 ; 359/385 ; 359/386 ; 359/577 ; 359/591 ; 362/259 ; 362/268
28	US ✓ 5796137 A	<input type="checkbox"/> U S P A T	1998 0106	8	Wide field of view imaging system	359/633	359/384 ; 359/630 ; 359/631
29	US ✓ 5406415 A	<input type="checkbox"/> U S P A T	1995 0411	4	Imaging system for a head-mounted display	359/633	348/7; 359/364 ; 359/631

	Document ID	1	S o u r c e	Issu e Date	Pa ge s	Title	Current OR	Current XRef
30	US ✓ 5583696 A	<input type="checkbox"/>	U S P A T	1996 1210	14	Reflection and refraction optical system and projection exposure apparatus using the same	359/637	359/727 ; 359/729
31	US ✓ 5448493 A	<input type="checkbox"/>	U S P A T	1995 0905		Projection lens system	359/651	359/630 ; 359/639
32	US ✓ 4953960 A	<input type="checkbox"/>	U S P A T	1990 0904		Optical reduction system	359/663	359/716
33	US ✓ 4592625 A	<input type="checkbox"/>	U S P A T	1986 0603		Double-conjugate maintaining optical system	359/663	356/401
34	US ✓ 3697136 A	<input type="checkbox"/>	U S P A T	1975 0729		Projection lens for mask pattern printing	359/674	359/754 ; 359/764
35	US ✓ 5160881 A	<input type="checkbox"/>	U S P A T	1993 1109		Projection lens system	359/679	359/649
36	US ✓ 4386828 A	<input type="checkbox"/>	U S P A T	1983 0607		Telecentric illumination system	359/687	359/340 ; 359/603
37	US ✓ 5636066 A	<input type="checkbox"/>	U S P A T	1997 0603	63	Optical apparatus	359/726	359/629 ; 359/727

	Document ID	Source	Issue Date	Pages	Title	Current OR	Current XRef
38	US ✓ 5742436 A	<input type="checkbox"/> U S P A T	1998 0421		Maximum aperture catadioptric reduction objective for microlithography	359.727	359.631 ; 359.663 ; 359.732 ; 359.739
39	US ✓ 5402267 A	<input type="checkbox"/> U S P A T	1998 0328		Catadioptric reduction objective	359.727	359.732
40	US ✓ 4779266 A	<input type="checkbox"/> U S P A T	1988 1025		Single mirror projection optical system	359.730	359.355 ; 359.754
41	US ✓ 5515207 A	<input type="checkbox"/> U S P A T	1996 0507		Multiple mirror catadioptric optical system	359.731	
42	US ✓ 4080048 A	<input type="checkbox"/> U S P A T	1978 0321		Ultra-high resolution reducing lens system	359.750	359.751 ; 359.755
43	US ✓ 3959383 A	<input type="checkbox"/> U S P A T	1976 0511		Wide angle photographic lens	359.752	
44	US ✓ 3909115 A	<input type="checkbox"/> U S P A T	1975 0930		Lens with high resolving power but relatively small reduction ratio	359.754	
45	US 3504961 A	<input type="checkbox"/> U S P A T	1970 0407		TEXT NOT AVAILABLE	359.754	359.757
46	US 3737215 A	<input type="checkbox"/> U S P A T	1973 0605		SIX ELEMENT UNIT MAGNIFICATION LENS	359.760	

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47	USV4851978 A <input checked="" type="checkbox"/>	U S P A T	1989 0725		Illumination device using a laser	362/268	355/67; 359/205 ; 359/213 ; 359/505 ; 359/619 ; 362/259
48	USV4497015 A <input checked="" type="checkbox"/>	U S P A T	1985 0129		Light illumination device	362/268	353/33; 353/93; 355/67; 359/621